

MIAMI-DADE COUNTY PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208 Miami, Florida 33175-2474 T (786)315-2590 F (786) 31525-99

www.miamidade.gov/economy

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER) BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

Sika Sarnafil, A Division of Sika Corp. 100 Dan Road Canton, MA 02021

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code including the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Sika Sarnafil PVC Single Ply Roofing over Steel Deck.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA renews and revises NOA No. 12-0313.16 and consists of pages 1 through 11. The submitted documentation was reviewed by Jorge L. Acebo.

MIAMI-DADE COUNTY
APPROVED

NOA No.: 13-0422.06 Expiration Date: 07/05/16 Approval Date: 07/18/13 Page 1 of 11

ROOFING SYSTEM APPROVAL

Category:RoofingSub-Category:Single PlyMaterial:PVCDeck Type:SteelMaximum Design Pressure:-52.5 psf.

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT: TABLE 1

| | | Test | Product |
|----------------|-------------------|----------------------|---|
| Product | Dimensions | Specification | Description |
| G410 Felt | Various | ASTM D 4434 | Fiberglass reinforced PVC roofing membrane with a non-woven felt backing. |
| G459 | Various | ASTM D 4434 | Fiberglass reinforced PVC Alloy asphalt compatible flashing membrane. |
| Sarnatape | Various | Proprietary | Air flow barrier tape |
| Sarnacol 2170 | 5 gallons | Proprietary | Solvent based bonding adhesive. |
| Sarnacol 2121 | 5 gallons | Proprietary | Water based bonding adhesive. |
| Sarnacol 2163 | | Proprietary | Insulation adhesive. |
| Sarnatred | 3.25' x 32.8' | Proprietary | PVC walkway protection sheet. |
| SarnaWalkways | Various | Proprietary | PVC walkway protection sheet. |
| Sarnastack | Various | Proprietary | Prefabricated cone flashing. |
| Sarnavap-10 | 20' x 100' | Proprietary | Polyethylene air/vapor barrier. |
| Sarnaclad | Various | Proprietary | Heat weldable PVC/galvanized steel flashing |

APPROVED INSULATIONS:

TABLE 2

| Product Name | Product Description | Manufacturer (With Current NOA) |
|--------------------------|--|---|
| Sarnatherm | Isocyanurate Insulation | Sika Sarnafil, A Division of Sika Corp. |
| Sarnatherm 25 PSI | Polyisocyanurate insulation board. | Sika Sarnafil, A Division of Sika Corp. |
| ACFoam Composite | Isocyanurate Insulation with perlite facer | Atlas Roofing Corp. |
| ACFoam-III, ACFoam-III | Isocyanurate Insulation | Atlas Roofing Corp. |
| ACFoam Supreme | Isocyanurate Insulation | Atlas Roofing Corp. |
| DensDeck, DensDeck Prime | Silicon treated gypsum | Georgia Pacific Gypsum LLC |
| ENRGY 3 | Isocyanurate Insulation | Johns Manville Corp. |



NOA No.: 13-0422.06 Expiration Date: 07/05/16 Approval Date: 07/18/13 Page 2 of 11

APPROVED INSULATIONS:

TABLE 2

| D. L. AM | B 1 (B : : | Manufacturer (NCA) |
|------------------------------|--|---|
| Product Name | Product Description | (With Current NOA) |
| ENRGY 3 Plus | Isocyanurate Insulation with wood fiberboard facer | Johns Manville Corp. |
| ENRGY 3 25 PSI | Isocyanurate Insulation | Johns Manville Corp. |
| High Density Wood Fiberboard | Wood fiber insulation | Generic |
| Perlite Insulation Board | Perlite Insulation | Generic |
| Type X Gypsum | Gypsum Wallboard | Generic |
| H-Shield | Isocyanurate Insulation | Hunter Panels, LLC |
| ISO 95+ GL | Isocyanurate Insulation | Firestone Building Products Company, LLC |
| Multi-Max FA-3 | Isocyanurate Insulation | Rmax Operating, LLC |
| Thermaroof-3 | Isocyanurate Insulation | Rmax Operating, LLC |
| Thermaroof Composite-3 | Isocyanurate Insulation with perlite facer | Rmax Operating, LLC |

APPROVED FASTENERS:

TABLE 3

| <u>Fastener</u> <u>Number</u> | <u>Product</u> <u>Name</u> | Product Description | Dimensions | <u>Manufacturer</u> (With Current NOA) |
|----------------------------------|---|---|-------------------|---|
| 1. | #12 Standard Roofgrip, #14 Roofgrip, #15 Roofgrip | Insulation and membrane fastener | Various | OMG, Inc. |
| 2. | Dekfast 12, Dekfast 14, Dekfast 15 HS | Insulation and membrane fastener | Various | SFS Intec, Inc. |
| 3. | Sarnafil Fasteners | Insulation and membrane fastener | Various | Sika Sarnafil, A Division of Sika Corp. |
| 4. | RhinoBond Insulation Plate | Insulation fastener | Various | OMG, Inc. |
| 5. | Sarnabar | Galvanized or stainless steel membrane fastening bar. | Various | Sika Sarnafil, A Division of Sika Corp. |
| 6. | Sarnaplate | Insulation fastening plate. | 3" Round | Sika Sarnafil, A Division of Sika Corp. |
| 7. | Sarnarail Polymer Batten Strip | Polymer Batten Bar | 1" x 250' | Sika Sarnafil, A Division of Sika Corp. |
| 8. | Sarnafastener-XP | Membrane and insulation fastener. | Various | Sika Sarnafil, A Division of Sika Corp. |
| 9. | Sarnafastener MAXLoad | Membrane fastener | Various | Sika Sarnafil, A Division of Sika Corp. |
| 10. | Sarnadisc MAXLoad Plate | AZ50 galvalume coated steel plate | 3.5" Round | Sika Sarnafil, A Division of Sika Corp. |
| 11. | Sarnadisc XPN | Membrane and insulation fastening plate. | 1.5" x 3.75" | Sika Sarnafil, A Division of Sika Corp. |
| | | | | NO 4 No - 12 0422 06 |



NOA No.: 13-0422.06 Expiration Date: 07/05/16 Approval Date: 07/18/13 Page 3 of 11

| 12. | RhinoBond Plate | Insulation fastening plate | Various | Sika Sarnafil, A Division |
|-----|-----------------|----------------------------|---------|---------------------------|
| | | | | of Sika Corp. |
| 13. | OMG Super XHD | Membrane and insulation | Various | OMG, Inc. |
| | | fastener. | | |

EVIDENCE SUBMITTED:

| Test Agency | Test Identifier | Description | Date |
|---------------------------------|------------------------|----------------------------|-------------|
| Celotex Technical Center | MTS Job No. 258215 | TAS 114 | 09/09/97 |
| Factory Mutual Research | 0P6A6.AM | FM 4470 | 03/03/94 |
| Corporation | 0X3A3.AM | FM 4470 | 07/31/94 |
| | 2X2A5.AM | FM 4470 | 07/31/94 |
| | 0B9A0.AM | FM 4470 | 10/22/96 |
| | 1Z5A6.AM | FM 4470 | 07/18/97 |
| | 4B3A2.AM | FM 4470 | 06/19/97 |
| | 3012964 | FM 4470 | 06/11/02 |
| | 3015643 | FM 4470 | 12/06/02 |
| | 3016201 | FM 4470 | 01/28/03 |
| | 3006785 | FM 4470 | 05/06/04 |
| | 3017292 | FM 4470 | 09/03/04 |
| | 3021131 | FM 4470 | 07/07.05 |
| | 3024229 | FM 4470 | 11/16/05 |
| | 3030053 | FM 4470 | 09-12/07 |
| | 3028309 | FM 4470 | 03/30/07 |
| Underwriters Laboratories, Inc. | R8992 | UL 790 | 05/15/13 |
| Trinity ERD | S44790.06.13 | ASTM D4434 | 06/05/13 |
| | S42480.08.12 | Physical Properties | 08/20/12 |



NOA No.: 13-0422.06 Expiration Date: 07/05/16 Approval Date: 07/18/13 Page 4 of 11

APPROVED ASSEMBLIES:

Membrane Type: PVC

Deck Type 2I: Steel, Insulated **Deck Description:** 18 – 22ga. steel

System Type B(1): Base Layer of insulation mechanically attached, optional top insulation layer fully

adhered with approved asphalt.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

Vapor Retarder: (Optional) An FM approved vapor barrier approved for use with hot asphalt may

be applied to the deck or perlite base layer.

Fire Barrier: (Optional) Minimum ⁵/₈ "Type X Gypsum or ¹/₄ "DensDeck.

One or more layers of any of the following insulations:

| Base Insulation Layer: | Insulation Fasteners | Fastener |
|--|-----------------------------|-------------------------|
| | (Table 3) | Density/ft ² |
| ACFoam-II, ACFoam Composite (bottom layer only), | H-Shield | |
| Minimum 1.3" thick or tapered | 1 or 2 | 1:2 ft ² |
| Minimum 2" thick or tapered | 1 or 2 | 1:4 ft ² |
| Sarnatherm, Sarnatherm-25 PSI, ENRGY 3, ENRGY | 3 Plus, ENRGY 3 25 PSI | |
| Minimum 1.4" thick or tapered | 1, 2 or 3 | 1:3 ft ² |
| Minimum 2" thick or tapered | 1, 2 or 3 | 1:4 ft ² |
| DensDeck, DensDeck Prime | | |
| Minimum 1/4" thick | 1, 2 or 3 | 1:1.2 ft ² |
| Minimum 1/2" thick | 1, 2 or 3 | 1:1.7 ft ² |
| Multi-Max FA-3, Thermaroof Composite-3 (bottom lay | yer only) | |
| Minimum 1.25" thick | 1, 2 or 3 | 1:2 ft ² |
| Minimum 2" thick | 1, 2 or 3 | 1:4 ft ² |
| Approved High Density Wood Fiberboard (base layer | only) | |
| Minimum 1" thick or tapered | 1, 2 or 3 | 1:2 ft ² |
| Minimum 1.4" thick or tapered | 1, 2 or 3 | 1:2 ft ² |
| Approved Perlite Insulation Board | | |
| Minimum 3/4" thick | 1, 2 or 3 | 1:1 ft ² |

Note: Base layer shall be mechanically attached with fasteners and density described. Insulation panels listed are minimum sizes and dimensions; if larger panels are used the number of fasteners per board shall be increased maintaining the same fastener density (See Roofing Application Standard RAS 117 for fastening details).



NOA No.: 13-0422.06 Expiration Date: 07/05/16 Approval Date: 07/18/13 Page 5 of 11

| Top Insulation Layer: | Insulation Fasteners (Table 3) | Fastener Density/ft2 |
|--|-----------------------------------|----------------------|
| ACFoam-II | , , | • |
| Minimum 1.3" thick or tapered | N/A | N/A |
| Sarnatherm, Sarnatherm-25 PSI, ENRGY 3, EN | RGY 3 Plus, ENRGY 3 25 PSI | |
| Minimum 1.4" thick or tapered | N/A | N/A |
| DensDeck, DensDeck Prime | | |
| Minimum 1/4" thick | N/A | N/A |
| Multi-Max FA-3 | | |
| Minimum 1.25" thick or tapered | N/A | N/A |

Note: Optional top layer of insulation shall be adhered with approved asphalt within the EVT range and at a rate of 20-40 lbs./100 ft². Please refer to Roofing Application Standard RAS 117 for insulation attachment. Composite insulation boards used as a top layer shall be installed with the polyisocyanurate face down.

Membrane: Sarnafil G410 Felt adhered with Sarnacol 2170 applied at a rate of 1.25gal/sq. to

the substrate followed by a second coat at a rate of 1.0gal/sq. to the substrate.

Maximum Design

Pressures: -45 psf. (See General Limitation #9)



NOA No.: 13-0422.06 Expiration Date: 07/05/16 Approval Date: 07/18/13 Page 6 of 11 **Membrane Type:** PVC

Deck Type 2I: Steel, Insulated **Deck Description:** 18 – 22ga. steel

System Type B(2): Base Layer of insulation mechanically attached, optional top insulation layer fully

adhered with approved asphalt or adhesive.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

Vapor Retarder: (Optional) Any UL or FM approved vapor barrier approved for use with hot

asphalt may be applied to the deck or perlite base layer.

Fire Barrier: (Optional) Minimum 1/4 "Type X Gypsum or DensDeck

One or more layers of any of the following insulations:

| Base Insulation Layer: | Insulation Fasteners | Fastener |
|---|-----------------------------|-------------------------|
| | (Table 3) | Density/ft ² |
| ACFoam-III, ACFoam-III, H-Shield, ISO 95+GI | L, ENRGY 3, Sarnatherm | |
| Minimum 1.4" thick or tapered | 1 | 1:2 ft ² |

Note: Base layer shall be mechanically attached with fasteners and density described. Insulation panels listed are minimum sizes and dimensions; if larger panels are used the number of fasteners per board shall be increased maintaining the same fastener density (See Roofing Application Standard RAS 117 for fastening details).

| Top Insulation Layer (Optional) | Insulation Fasteners | Fastener Density/ft ² |
|--|----------------------|-------------------------------------|
| | (Table 3) | Density/it |
| ACFoam-III, ACFoam-III, H-Shield, ISO 95+GL, 1 | ENRGY 3, Sarnatherm | |
| Minimum 1.4" thick or tapered | N/A | N/A |
| DensDeck, DensDeck Prime | | |
| Minimum 1/4" thick or tapered | N/A | N/A |

Note: Optional top layer of insulation shall be adhered to the deck in full coating of OlyBond Adhesive Fastener at a rate of 1 gal/sq. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate

Membrane: Sarnafil G410 Felt adhered with Sarnacol 2170 adhesive. Adhesive rolled applied

as a primer at a rate 1.0-1.25 gal/sq. to the insulation allowed to dry. Following a second coat roller applied of adhesive at 0.5 gal/sq. The roof cover is immediately

placed into the adhesive and the top surface rolled with a weighted roller.

Maximum Design

Pressures: -45 psf. (See General Limitation #9)



NOA No.: 13-0422.06 Expiration Date: 07/05/16 Approval Date: 07/18/13

Page 7 of 11

Membrane Type: PVC

Deck Type 2I: Steel, Insulated **Deck Description:** 18 – 22ga. steel

System Type C(1): All layers of insulation simultaneously fastened; membrane fully adhered.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

Vapor Retarder: (Optional) An FM approved vapor barrier approved for use with hot asphalt may

be applied to the deck or perlite base layer.

Fire Barrier: (Optional) Minimum ⁵/₈ "Type X Gypsum or ¹/₄ "DensDeck

One or more layers of any of the following insulations:

| Base Insulation Layer: | Insulation Fasteners (Table 3) | Fastener Density/ft ² |
|--|--------------------------------|-------------------------------------|
| ACFoam-III, ACFoam Composite (bottom | ı layer only), ACFoam Suprem | e, H-Shield |
| Minimum 1.3" thick or tapered | N/A | N/A |
| Sarnatherm, Sarnatherm-25 PSI, ENRGY 3, ENRGY 3 | Plus, ENRGY 3 25 PSI, ISO 9 | 95+ GL |
| Minimum 1.4" thick or tapered | N/A | N/A |
| Approved High Density Wood Fiberboard (base layer of | only) | |
| Minimum 1" thick | N/A | N/A |
| Multi-Max FA-3, Thermaroof-3 | | |
| Minimum 1.25" thick or tapered | N/A | N/A |
| DensDeck, DensDeck Prime | | |
| Minimum 1/4" thick | N/A | N/A |
| Approved Perlite Insulation Board (base layer only) | | |
| Minimum 3/4" thick | N/A | N/A |

Note: All layers shall be simultaneously fastened; see top layer below for fasteners and density. Insulation panels listed are minimum sizes and dimensions; if larger panels are used, the number of fasteners shall be increased maintaining the same fastener density. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

| Top Insulation Layer: | Insulation Fasteners | Fastener |
|---|------------------------|-------------------------|
| | (Table 3) | Density/ft ² |
| ACFoam-II | | |
| Minimum 1.3" thick or tapered | 1, 2 or 3 | 1:2 ft ² |
| Minimum 2" thick or tapered | 1, 2 or 3 | 1:4 ft ² |
| Sarnatherm, Sarnatherm-25 PSI, ENRGY 3, ENRGY | 3 Plus, ENRGY 3 25 PSI | |
| Minimum 1.4" thick or tapered | 1, 2 or 3 | 1:3 ft ² |
| Minimum 2" thick or tapered | 1, 2 or 3 | 1:4 ft ² |



NOA No.: 13-0422.06 Expiration Date: 07/05/16 Approval Date: 07/18/13

Page 8 of 11

| Top Insulation Layer (Continued): | Insulation Fasteners (Table 3) | Fastener Density/ft ² |
|--|-----------------------------------|-------------------------------------|
| DensDeck, DensDeck Prime | | |
| Minimum 1/4" thick | 1, 2 or 3 | 1:1.2 ft ² |
| Minimum 1/2" thick | 1, 2 or 3 | 1:1.7 ft ² |
| Multi-Max FA-3 | | |
| Minimum 1.25" thick | 1, 2 or 3 | 1:3 ft ² |
| Minimum 2" thick | 1, 2 or 3 | 1:4 ft ² |

Note: Insulation panels listed are minimum sizes and dimensions; if larger panels are used, the number of fasteners shall be increased maintaining the same fastener density. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Membrane: Sarnafil G410 Felt adhered with Sarnacol 2170 applied at a rate of 1.25gal/sq. to

the substrate followed by a second coat at a rate of 1.0gal/sq. to the substrate.

Maximum Design

Pressures: -45 psf. (See General Limitation #9)



NOA No.: 13-0422.06 Expiration Date: 07/05/16 Approval Date: 07/18/13

Page 9 of 11

Membrane Type: PVC

Deck Type 2I: Steel, Insulated **Deck Description:** 18 – 22ga. steel

System Type C(2): All layers of insulation simultaneously fastened; membrane fully adhered.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of any of the following insulations:

Base Insulation Layer:

Insulation Fasteners
(Table 3)

Fastener
Density/ft²

Any approved polyisocyanurate listed in Table 2

Minimum 1.5" thick N/A N/A

Note: All layers shall be simultaneously fastened; see top layer below for fasteners and density. Insulation panels listed are minimum sizes and dimensions; if larger panels are used, the number of fasteners shall be increased maintaining the same fastener density. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Top Insulation Layer:

Insulation Fasteners
(Table 3)

Density/ft²

DensDeck Prime

Minimum 5/8" thick

3 1:2 ft²

Note: Insulation panels listed are minimum sizes and dimensions; if larger panels are used, the number of fasteners shall be increased maintaining the same fastener density. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Membrane: Sarnafil G410 Felt adhered with Sarnacol 2121 adhesive applied at a rate of 2.0 –

2.5 gal/sq. to substrate. Minimum 3" wide side lap is sealed with a 1.5" wide heat

weld.

Maximum Design

Pressures: -52.5 psf. (See General Limitation #7)



NOA No.: 13-0422.06 Expiration Date: 07/05/16 Approval Date: 07/18/13 Page 10 of 11

STEEL DECK SYSTEM LIMITATIONS:

- 1. If mechanical attachment to the structural deck through the lightweight insulating concrete is proposed, a field withdrawal resistance testing shall be performed to determine equivalent or enhanced fastener patterns and density. All testing and fastening design shall be in compliance with Testing Application Standard TAS 105 and Roofing Application Standard RAS 117 and/or RAS 137; calculations shall be signed and sealed by a Florida Registered Engineer, Architect, or Registered Roof Consultant.
- 2. For steel deck application where specific deck construction is not referenced: The deck shall be a minimum 22 gage attached with 5/8" puddle welds with weld washers at every flute with maximum deck spans of 5 ft. o.c.

GENERAL LIMITATIONS:

- 1. Fire classification is not part of this acceptance; refer to a current Approved Roofing Materials Directory for fire ratings of this product.
- 2. Insulation may be installed in multiple layers. The first layer shall be attached in compliance with Product Control Approval guidelines. All other layers shall be adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq., or mechanically attached using the fastening pattern of the top layer
- 3. All standard panel sizes are acceptable for mechanical attachment. When applied in approved asphalt, panel size shall be 4' x 4' maximum.
- 4. An overlay and/or recovery board insulation panel is required on all applications over closed cell foam insulations when the base sheet is fully mopped. If no recovery board is used the base sheet shall be applied using spot mopping with approved asphalt, 12" diameter circles, 24" o.c.; or strip mopped 8" ribbons in three rows, one at each side lap and one down the center of the sheet allowing a continuous area of ventilation. Encircling of the strips is not acceptable. A 6" break shall be placed every 12' in each ribbon to allow cross ventilation. Asphalt application of either system shall be at a minimum rate of 12 lbs./sq. Note: Spot attached systems shall be limited to a maximum design pressure of -45 psf.
- 5. Fastener spacing for insulation attachment is based on a Minimum Characteristic Force (F') value of 275 lbf., as tested in compliance with Testing Application Standard TAS 105. If the fastener value, as field-tested, are below 275 lbf. Insulation attachment shall not be acceptable.
- 6. Fastener spacing for mechanical attachment of anchor/base sheet or membrane attachment is based on a minimum fastener resistance value in conjunction with the maximum design value listed within a specific system. Should the fastener resistance be less than that required, as determined by the Building Official, a revised fastener spacing, prepared, signed and sealed by a Florida registered Professional Engineer, Registered Architect, or Registered Roof Consultant may be submitted. Said revised fastener spacing shall utilize the withdrawal resistance value taken from Testing Application Standards TAS 105 and calculations in compliance with Roofing Application Standard RAS 117.
- 7. Perimeter and corner areas shall comply with the enhanced uplift pressure requirements of these areas. Fastener densities shall be increased for both insulation and base sheet as calculated in compliance with Roofing Application Standard RAS 117 and/or RAS 137. Calculations prepared, signed and sealed by a Florida registered Professional Engineer, Registered Architect, or Registered Roof Consultant (When this limitation is specifically referred within this NOA, General Limitation #9 will not be applicable.)
- 8. All attachment and sizing of perimeter nailers, metal profile, and/or flashing termination designs shall conform to Roofing Application Standard RAS 111 and applicable wind load requirements.
- 9. The maximum designed pressure limitation listed shall be applicable to all roof pressure zones (i.e. field, perimeters, and corners). Neither rational analysis, nor extrapolation shall be permitted for enhanced fastening at enhanced pressure zones (i.e. perimeters, extended corners and corners). (When this limitation is specifically referred within this NOA, General Limitation #7 will not be applicable.)
- 10. All products listed herein shall have a quality assurance audit in accordance with the Florida Building Code and Rule 9N-3 of the Florida Administrative Code.

END OF THIS ACCEPTANCE

MIAMI-DADE COUNTY
APPROVED

NOA No.: 13-0422.06 Expiration Date: 07/05/16 Approval Date: 07/18/13 Page 11 of 11